WAGNER, MURABITO & HAO LLP

Two North Market Street, Third Floor San Jose, California 95113 (408) 938-9060

Application No.: 10/635,748

Commissioner for Patents

Alexandria, VA 22313-1450

08/05/03

Inventor(s):

Filing Date:

PO Box 1450

Title:

Sir:

Rev 10/03



mailing date of first office action on the merits; whichever occurs last)

() Statement under 37 CFR 1.97(e)(1) or (2), and

Robert J. BOLENDER, et al.

This Information Disclosure Statement is submitted:

() under 37 CFR 1.97 (d) together with a:

() under 37 CFR 1.97 (c) together with either a: () Statement under 37 CFR 1.97(e), or () a \$180.00 fee under 37 CFR 1.17(p), or

under 37 CFR 1.97(b), or

PATENT APPLICATION

ATTORNEY DOCKET NO. SYNA-20030715-01

Confirmation No.:

Group Art Unit:

Examiner:

UNITED STA IT AND TRADEMARK OFFICE

CAPACITIVE SENSING DEVICE FOR USE IN A KEYPAD ASSEMBLY

INFORMATION DISCLOSURE STATEMENT

() a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

(Within three months of filing national application; or date of entry of national application; or before

Please charge to Deposit Account 23–0085 the sum of $$\pm 9.00$. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit

(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

Account 23–0085 pursuant to 37 CFR 1.25.	
any required copies of patents, publications or of	1449 - Information Disclosure Statement together with ther information of which applicant(s) are aware, which imination of this application and for which there may be 56.
and other foreign language information listed individuals(s) designated in 37 CFR 1.56 (c) most attached sheet, or where a foreign language profession patent office in a counterpart foreign a report or action which indicates the degree of related and is enclosed herewith.	foreign language patents, foreign language publications on PTO Form 1449, as presently understood by the ost knowledgeable about the content is given on the atent is cited in a search report or other action by a application, an English language version of the search evance found by the foreign office is listed on form PTO
It is requested that the information disclosed here	ein be made of record in this application.
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() I hereby certify that this paper is being transmitted to the Patent and Trademark Office	Thomas M. Catale
facsimile number on Number of pages:	Attorney/Agent for Applicant(s) Reg. No. 46,434
Typed Name: Desiree Caldwell Signature: Ull Albert	Date: 10/24/03
(DSCERT)	Telephone No.: (408) 938-9060

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ATTORNEY DOCKET NO. SYNA-20030715-01

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	UNITED STATES PATENT AND TRADEFIXITE	
Inventor(s):	Robert J. BOLENDER, et al.	C nfirmation No.:
Application No.	: 10/635,748	Examiner:
Filing Date:	08/05/03	Group Art Unit:
Title:	CAPACITIVE SENSING DEVICE FOR USE IN A KEYPAD	ASSEMBLY
Commissioner (PO Box 1450 Alexandria, VA		·
Sir:		
This Inform	ation Disclosure Statement is submitted:	
(WI ma	der 37 CFR 1.97(b), or thin three months of filling national application; or date of entry of national application; or date of entry of nation on the merits; whichever occurs last)	tional application; or before
()	der 37 CFR 1.97 (c) together with either a: Statement under 37 CFR 1.97(e), or a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97 (b) time period, but before final action or notice or	f allowance, whichever occurs first)
() un () (der 37 CFR 1.97 (d) together with a:) Statement under 37 CFR 1.97(e)(1) or (2), and) a \$180.00 fee set forth in 37 CFR 1.17(p). (Filed after final action, a notice of allowance, on or before payment of	the issue fee)
pendency of t	arge to Deposit Account $23-0085$ the sum of $$0.00$ this application, please charge any fees required or creations pursuant to 37 CFR 1.25.	•
(X) Application any required capplicant(s) be a duty to disc	ant(s) submit herewith Form PTO 1449 - Information Discopies of patents, publications or other information of whielieve(s) may be material to the examination of this applications in accordance with 37 CFR 1.56.	ation and for which there may be
and other for individuals(s) attached sheet foreign paten report or action	se explanation of the relevance of foreign language pater reign language information listed on PTO Form 1449, designated in 37 CFR 1.56 (c) most knowledgeable about, or where a foreign language patent is cited in a set office in a counterpart foreign application, an English on which indicates the degree of relevance found by the forenclosed herewith.	out the content is given on the arch report or other action by a

It is requested that the information disclosed herein be made of record in this application.

It is requested that are	
(X) I hereby certify that this correspondence is being	Respectfully submitted,
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22313-1450. Date of Deposit: 10/24/03 OR	By tromm day
() I hereby certify that this paper is being transmitted to the Patent and Trademark Office	Thomas M. Catale
facsimile number on Number of pages:	Attorney/Agent for Applicant(s) Reg. No. 46,434
Typed Name: Desiree Caldwell	Date: 10/24/03
Signature: 1000 Confidence of the Confidence of	(409) 939-0060

Telephone No.: (408) 938-9060 Rev 10/03 (IDSCERT)

PATENT APPLICATION

Sheet 1 of 2

Q E JC ₇₀ FORM PTO-1449	ATTY. DOCKET NO. SYNA-20030715-01	APPLICATION NO. 10/635,748	CONFIRMATION	NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Robert J. BOLENDER,	et al.		
(Use several sheets if necessary)	FILING DATE 08/05/03	GROUP		

REFERENCE DESIGNATION

Rev 10/03 (PTO1449)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	2003/0025679	02/06/2003	Taylor, et al.	
	1B	6,243,080	06/05/2001	Molne	
	1C	5,675,361	10/07/1997	Santilli	
	1D	5,909,210	06/01/1999	Knox, et al.	
	1E	5,341,133	08/23/1994	Savoy, et al.	
	1F	2002/0180707	12/05/2002	Sato, et al.	·
	1G	2002/0021280	02/21/2002	Kato, et al.	
	1H	2002/0049070	04/25/2002	Bick	
	1 I	6,002,594	12/14/1999	Ledin, et al.	
	13	6,188,391	02/13/2001	Seely, et al.	
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
 1L	WO01/27868	04/19/2001	Synaptics, Inc.		
 1M	WO02/100074	12/12/2002	Cirque Corp.		
 1N	EP1179767	02/13/2002	ALPS Electric Co.		
10	EP1197835	08/20/2001	Nokia Corp.		
1P	WO9805025	02/05/1998	Phillip Harald		

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	
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EXAMINER	DATE CONSIDERED

PATENT APPLICATION

Sheet 2 of 2

PE JC 10 FORM PTO-1449	ATTY. DOCKET NO. SYNA-20030715-01	APPLICATION NO. 10/635,748	CONFIRMATION	NO.
AFT OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE	APPLICANT			
STATEMENT	Robert J. BOLENDER	et al.		
(Use several sheets if necessary)	FILING DATE	GROUP		
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U.S. PATENT DOCUMENTS

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	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1)				
	1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
1L	DE4222940	01/13/1994	Dyna Systems		
1M	EP1197835	04/17/2002	Nokia Corp		
1N	EP1179767	02/13/2002	ALPS Electric Co.		
10					
1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

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